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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/815,360	04/01/2004	Shoulian Zhu	*G0723.10U	8262
29633 ROGERS TOV	7590 05/04/200 VERS. P.A.	Shoulian Zhu *G0723.10U	INER	
1301 RIVERPLACE BOULEVARD, SUITE 1500 JACKSONVILLE, FL 32207			JOHNSON, VICKY A	
JACKSONVIL	LE, FL 32207		ART UNIT	PAPER NUMBER
			3682	
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			05/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)
Office Astron. Own		10/815,360	ZHU, SHOULIAN
	Office Action Summary	Examiner	Art Unit
		Vicky A. Johnson	3682
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the	correspondence address
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Status			
	Responsive to communication(s) filed on <u>26 Fe</u> This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pr	
Dispositi	on of Claims		
5) □ 6) ☑ 7) □ 8) □ <b>Applicati</b> 9) □	Claim(s) 1-23 is/are pending in the application.  4a) Of the above claim(s) is/are withdray.  Claim(s) is/are allowed.  Claim(s) 1-23 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or on Papers  The specification is objected to by the Examine The drawing(s) filed on is/are: a) according and according and according to the period of the period of the pending and the pending are subjected to by the Examine The drawing(s) filed on is/are: a) according and the pending are subjected to by the Examine The drawing(s) filed on is/are pending and the pending are subjected to by the Examine The drawing(s) filed on is/are pending and the pending are subjected to by the Examine The drawing(s) filed on is/are pending and the pending are subjected to by the Examine The drawing(s) filed on is/are pending are subjected to by the Examine The drawing(s) filed on is/are pending are subjected to by the Examine The drawing(s) filed on is/are pending are subjected to by the Examine The drawing(s) filed on is/are pending are subjected to be pendin	wn from consideration.  r election requirement.  r.  epted or b) □ objected to by the drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex		
	ınder 35 U.S.C. § 119	·	
a)[	Acknowledgment is made of a claim for foreign All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau see the attached detailed Office action for a list	s have been received. s have been received in Applica ity documents have been receiv (PCT Rule 17.2(a)).	tion No ved in this National Stage
2) 🔲 Notic 3) 🔲 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [ 5) Notice of Informal 6) Other:	Date

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### **DETAILED ACTION**

### Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Henigue (FR 2600134) in view of Endo et al (US 4,893,520).

Henigue discloses steering wheel mounting assembly comprising: a shaft (1) having a threaded end (6); a coupling member positioned on said shaft (9); shaft antirotation means for precluding relative independent rotational movement between said shaft and said coupling member (5); wherein said bore of said hub is positioned on said coupling member (see Fig); hub anti-rotational means (threading, see Fig) for precluding relative independent rotational movement between said hub and said coupling member; a shaft nut (7) positioned on said threaded end of said shaft (see Fig), wherein said shaft nut retains said coupling member on said shaft (see Fig); and a tightening nut (11) disposed about said shaft and abutting said coupling member (9), said tightening nut comprising a substantially closed rear end, an annular wall having threading, an open front end and a coaxial opening, said tightening nut joined to said hub of said steering wheel (see Fig).

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Henigue discloses the mounting assembly as described above, but does not disclose a steering wheel comprising a rim, a hub and at least one spoke connecting

said rim to said hub, said hub having an open rear end, external threading, a bore and a

closed face.

Endo et al disclose a steering wheel comprising a rim, a hub and at least one spoke connecting said rim to said hub, said hub having an open rear end, a bore and a closed face (see Fig 2).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the assembly of Henigue to include the steering wheel as taught by Endo et al in order to reduce the number of parts.

## Response to Arguments

3. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vicky A. Johnson whose telephone number is (571) 272-7106. The examiner can normally be reached on Monday-Friday (7:00a-3:30p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6217. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Vicky A. Johnson 4/33/17
Primary Examiner

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